

CLAIMS

1. (Amended) An objective lens driving device comprising:
- an objective lens provided for focusing light onto a recording medium
 - 5 so as to optically record information on or reproduce the information from the recording medium;
 - a lens holder for holding the objective lens;
 - a plurality of support members for supporting the lens holder so that the objective lens is freely movable in a focusing direction perpendicular to a
 - 10 surface of the recording medium and a tracking direction perpendicular to the focusing direction;
 - a driving system for driving the lens holder in the focusing direction and the tracking direction; and
 - a fixing member provided with a viscoelastic member formed for
 - 15 holding the plurality of support members;
 - wherein each of the plurality of support members comprises
 - a linear portion formed linearly so as to connect with the viscoelastic member provided in the fixing member and the lens holder, and
 - at least one arm portion branching off from an intermediate
 - 20 area of the linear portion so as to reduce a resonance of each of the plurality of support members occurring when the lens holder is driven by the driving system,
 - the linear portion is formed as a straight line between the lens holder and the viscoelastic member,
 - 25 the arm portion branches off from a part of the straight line of the linear portion,
 - the arm portion has a T-shaped tip held by the viscoelastic member, and
 - the linear portion has a bent portion formed in its end portion held by
 - 30 the viscoelastic member.
2. (Canceled)
3. The objective lens driving device according to claim 1, further
- 35 comprising a base for fixing the fixing member,
- wherein the arm portion is formed to connect with a base viscoelastic member provided in the base.

4. The objective lens driving device according to claim 1, wherein the arm portion is formed in a plane perpendicular to the focusing direction.
- 5 5. The objective lens driving device according to claim 1, wherein the arm portion is formed in a plane perpendicular to the tracking direction.

6. The objective lens driving device according to claim 1, wherein the at least one arm portion comprises two arm portions,
one of the two arm portions is formed in a plane perpendicular to the
5 focusing direction, and
the other is formed in a plane perpendicular to the tracking direction.
7. The objective lens driving device according to claim 1, wherein the
arm portion is formed to branch off from a vicinity of a loop of a natural
10 resonance of the support members.
8. The objective lens driving device according to claim 1, wherein a
distance B between a position at which the arm portion branches off from the
linear portion and one end of the linear portion is $1/5$ to $4/5$ of a total length L
15 of the linear portion.
9. The objective lens driving device according to claim 1, wherein a
distance B between a position at which the arm portion branches off from the
linear portion and one end of the linear portion is $1/5$ to $1/2$ of a total length L
20 of the linear portion.
10. (Canceled)